a semiconductor chip having a first semiconductor layer and a second semiconductor layer adjacent to said first semiconductor layer;

said second semiconductor layer including an electroluminescent region emitting visible light of a first color having a first wavelength;

said first semiconductor layer having a first band gap, said electroluminescent region having a second band gap, said first band gap being smaller than said second band gap;

B1 said first semiconductor layer absorbing part of the visible light of the first color and said first semiconductor layer re-emitting visible light of a second color having a second wavelength, the second color being different from the first color, and the second wavelength being longer than the first wavelength;

said semiconductor chip emitting the visible light of the second color together with the visible light of the first color; and

said first semiconductor layer including states in said first band gap.

Add the Following Claim:

B2

Claim 9. The semiconductor component according to claim 1, wherein said first semiconductor layer and said second semiconductor layer are configured to emit white light from said semiconductor chip.